

Notice of Allowability	Application No.	Applicant(s) ^u	
	09/699,196	WU, GENG	
	Examiner	Art Unit	
	Phirin Sam	2661	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/22/2004.
2. ☒ The allowed claim(s) is/are 1-40.
3. ☒ The drawings filed on 20 August 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date <u>071202 and 042401</u> 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. 7. <input type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____. |
|---|--|



**PHIRIN SAM
PRIMARY EXAMINER**

DETAILED ACTION

Allowable Subject Matter

1. The following is an examiner's statement of reasons for allowance:

Regarding amended claim 1 and claims 2-14, prior arts do not disclose a method for communicating to a mobile node on a communications system having a base station controller unit and a base station transceiver subsystem unit coupled by a backhaul connection, comprising a combination of steps:

- (1) selecting data packets from the plurality of user information packets to be transmitted across the backhaul connection, the selected data packets having approximately 20 bytes or less of data payload that are to be transmitted across the backhaul connection;
- (2) preparing an adaptation layer information packet from the selected data packets in the plurality of user information packets; and
- (3) tunneling the adaptation layer information packet from the base station controller unit through the backhaul connection, which is a dedicated connection between the base station controller unit and the base station transceiver subsystem unit.

Regarding amended claim 15 and claims 16-26, the prior arts do not disclose a method for communicating to a mobile node on a communications system having a base station controller unit, comprising a combination of steps:

- (1) selecting data packets having approximately 20 bytes or less of data payload from all the information packets to be transmitted across the backhaul connection;
- (2) preparing an adaptation layer information packet using the adaptation layer protocol from the selected data packets in the plurality of user information packets including concatenation of

Art Unit: 2661

multiple selected data packets into the adaptation layer information packet and adding an P header to the adaptation layer information packet; and

(3) tunneling the adaptation layer information packet from the base station controller unit over the backhaul connection to a base station transceiver subsystem unit.

Regarding amended claim 27 and claims 28-40, the prior arts do not disclose a system for communicating to a mobile node in a wireless communications network comprising:

(1) wherein the base station controller unit receives a plurality of user information packets each having a data packet for transmission from the base station controller unit and prepares an adaptation layer information packet from selected data packets in the plurality of user information packets for subsequent tunneling to the base station transceiver subsystem unit over the backhaul connection; and

(2) the base station controller unit only selects data packets from all the information packets to transmit over the backhaul connection having approximately less than 20 bytes of data payload to concatenate to form the adaptation layer information packet.

Conclusion

2. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

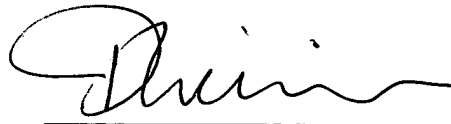
3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phirin Sam whose telephone number is (571) 272-3082. The examiner can normally be reached on Mon-Fri, 8:00AM - 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chau T Nguyen can be reached on (571) 272 - 3126. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Respectfully submitted,

Date: March 1, 2005

A handwritten signature in black ink, appearing to read 'Phirin', written over a horizontal line.

**PHIRIN SAM
PRIMARY EXAMINER**